

DERWENT-ACC-NO: 1997-472194

DERWENT-WEEK: 200026

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TITLE: Device for applying flowable material - includes non-return valve opening as soon as force of flowable material acting on valve member is greater than sum of force of material acting from applicator and force normally forcing valve into closed position

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PRIORITY-DATA: 1996DE-1011208 (March 21, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
DE 19611208 A1	September 25, 1997	N/A	007
B05C 017/005			
DE 19611208 C2	May 4, 2000	N/A	000
B05C 017/005			

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	
APPL-DATE			
DE 19611208A1	N/A	1996DE-1011208	March 21, 1996
DE 19611208C2	N/A	1996DE-1011208	March 21, 1996

INT-CL (IPC): B05C017/005

ABSTRACTED-PUB-NO: DE 19611208A

BASIC-ABSTRACT:

The device has a housing (2) with supply chamber (40), applicator (8) and valve (20). The valve (20) which is set in a connection between an opening (18) in the movable wall and the applicator element (8) is a non-return valve which opens as soon as the force of the material acting on the valve member (21) from the opening (18) is greater than the sum of the force of the flowable material acting from the applicator element and a force normally urging the valve member into the closing position.

The spring forcing the valve member (21) of the non-return valve into the closing position is formed by an elastic foam body (36). The applicator element is set at the free end of a tube (6) guided in the housing and ending in a part open to the supply chamber.

USE/ADVANTAGE - For thin and viscous fluid substances such as inks, paints, adhesives, insecticides. Ensures accurately dosed amounts are dispensed.

CHOSEN-DRAWING: Dwg.1/6

TITLE-TERMS: DEVICE APPLY FLOW MATERIAL NON RETURN VALVE
OPEN FORCE FLOW

MATERIAL ACT VALVE MEMBER GREATER SUM FORCE
MATERIAL ACT APPLY
FORCE NORMAL FORCE VALVE CLOSE POSITION

DERWENT-CLASS: P42

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-393666